

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058571 A2

(51) International Patent Classification⁷: **B29C 33/56**,
33/30, 33/62

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RE, Giovanni** [IT/TT];
Via 25 Aprile, 7, I-20034 Giussano (IT).

(21) International Application Number:
PCT/IB2004/004122

(74) Agent: **PARISI, Luigi**; Ufficio Internazionale Brevetti
Ing. C. Gregorj S., p.A., Via Dogana 1, I-20123 Milan
(IT).

(22) International Filing Date:
13 December 2004 (13.12.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

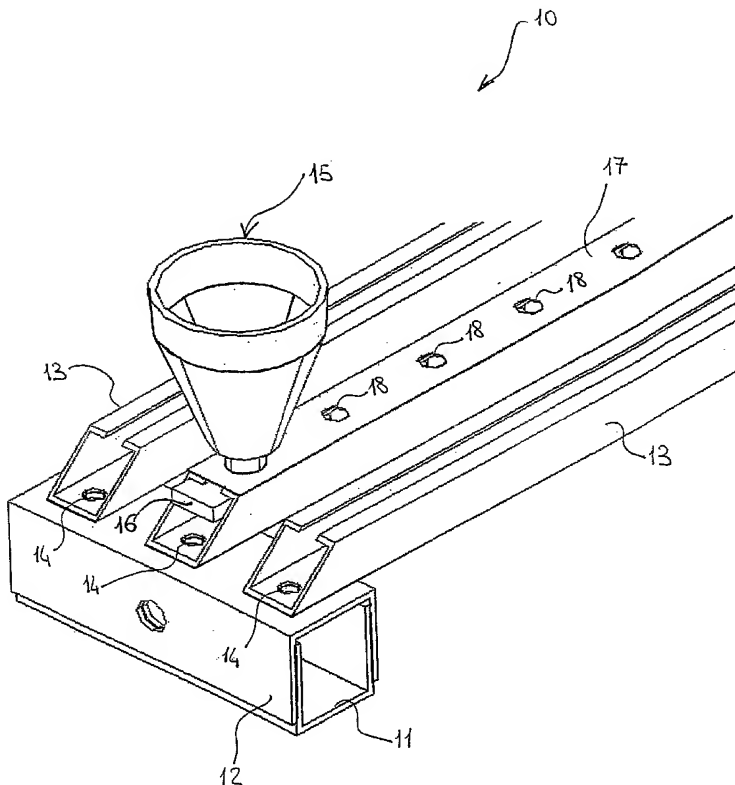
(30) Priority Data:
MI2003A002468
16 December 2003 (16.12.2003) IT
04009286.8 20 April 2004 (20.04.2004) EP

(71) Applicant (for all designated States except US): **POLY-
OMNIA S.R.L.** [IT/TT]; Via Giotto, 26, I-20145 Milan
(IT).

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: MOULDS FOR THE PRODUCTION OF PLASTIC ABRASIVES AND SUPPORT THEREOF



(57) Abstract: The invention relates to a mould for the production of plastic abrasives, of the type used individually or in sets for baking mixtures consisting of thermosetting resins combined with abrasive powders in high-temperature ovens, wherein said mould is coated with metal-matrix materials in which at least one substance with non-stick properties is mixed in micronised form. The invention also includes transport units which are easily detached from the drive chains of moulds for the production of plastic abrasives, the type used for baking mixtures consisting of thermosetting resins combined with abrasive powders in high-temperature ovens. The moulds positioned on the guides of the transport units are attached individually and removably.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*